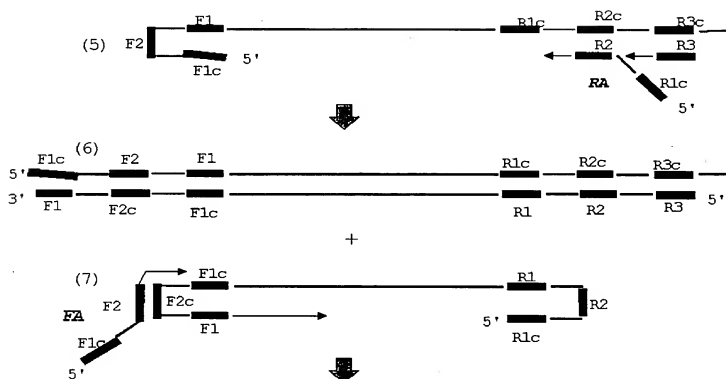


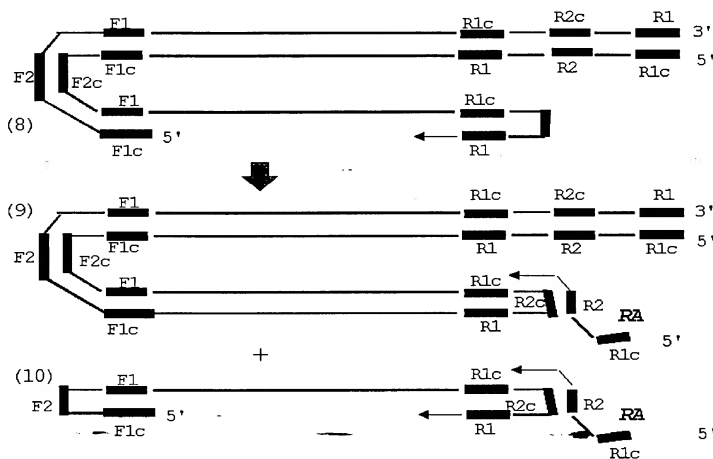
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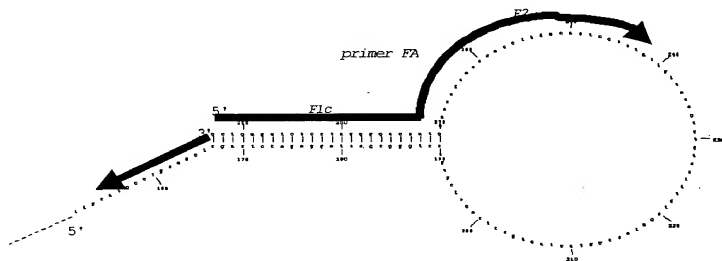
Fig. 2



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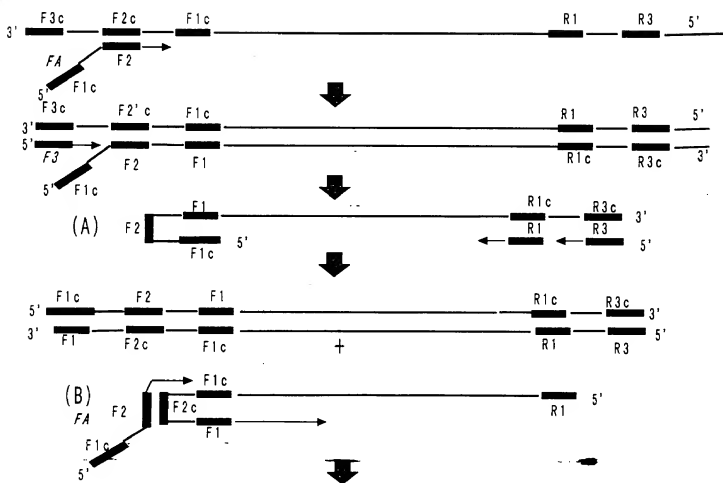
Fig. 3





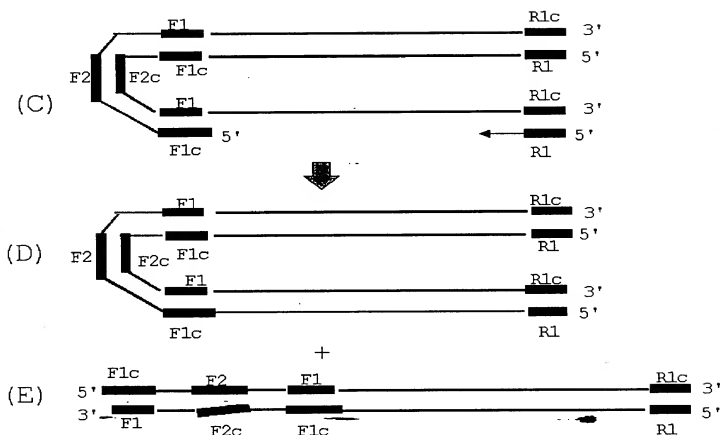
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Fig. 5



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Fig. 6



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Fig. 7

6001 GCGCCCAATA CGCAAACCGC CTC'TCCCGC GCGTGGCCG ATTCATTAAAT GCAGCTGGCA

6061 CGACAGGTTT COGACTGGA AAGCGGGCAG TGAGCGCAAC GCAATTAAATG TGAGTTAGCT

6121 CACTCATTAG GCACCCOCAGG CTTTACACTT TATGCTTCOG GCTCGTATGT TGTGTGGAAT

6181 TGTGAGOGGA TAACAATTTC ACACAGGAAA CAGCTATGAC CATGATTACG AATTCAGCT

6241 CGGTACCCGG GGATCCTCTA GAGTCGACCT GCAGSCATGC AAGCTTGGCA CTGGCCGTGG

6301 TTTTACAACG TOGTGACTGG GAAAAOCTG GCGTTAOCOA ACTTAATGCG CTTCGAGCAC

6361 ATCCOCTTT CGCCAGCTGG CGTAATAGOG AAGAGGOCOG CACCGATGCG CCTTCOCAC

6421 AGTTGCGCAG CCTGAATGCC GAATGGGCGT TTGCTGCTT TOCGGCAOCA GAAGCGGTGC

6481 CGGAAAGCTG GCTGGAGTGC GATCTTCTG AGGCGATAC GGTCTGCTC CCTTCAACT

6541 GGCAGATGCA CGGTACGAT GCGCCCATCT ACACCAAGGT AACCTATGCC ATTACGGTCA

M13F3 M13F2

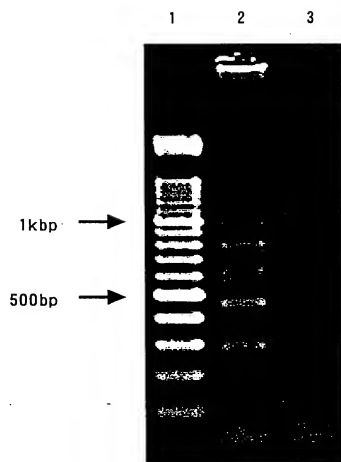
M13F1c

M13R1c

M13R2 M13R3

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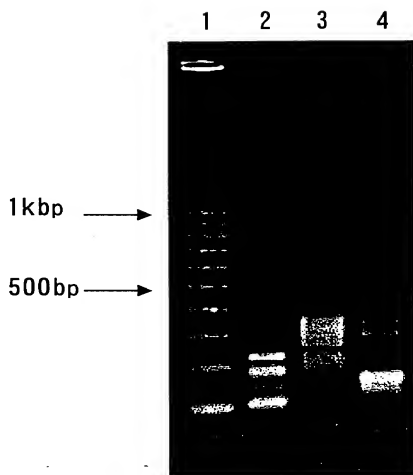
Fig. 8



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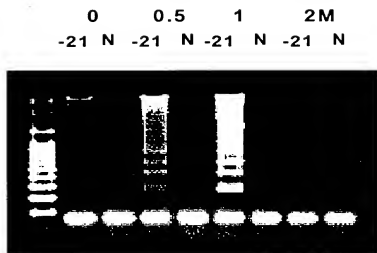
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Fig. 9



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Fig. 10



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Fig. 11

1 CTCCTTGACA CGGCTCTGCTCTGTATCGG GAGGCTTAG AGTCTCGGA ACATTGTTC

61 CCTCACCATA CAGCACTCAG GCAAGCTATT CTGTGTTGGG GTGAGTTAAT GAATCTGGC

HB6F3 HB65F2

121 AACTGGGTGG GAAGTAATTT GGAAGACCCA GCATCCAGGG AATTAGTAGT CAGCTATGTC

HB65F1c

181 AATGTTAATA TGGGCTAAA AATCAGACAA CTATTGTTGGT TTCACATTTC CTGCCTTACT

HB65R1c

241 TTGTGAAGAG AAACGTTTT GGAGTATTTG GTATCTTTTG GAGTGTGGAT TGGCACTCCT

301 CCCGTTACA GACCACAAA TGCCCTATC TTATCAACAC TTCGGGAAC TACTGTTGTT

HB65R2 HBR3

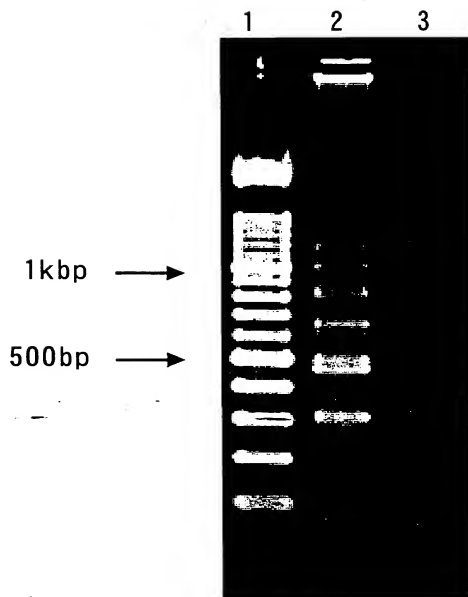
361 AGAAGAGAG GCAGGTCCCT TAGAAGAAGA ACTCCCTCGC CTGCAGAGG AAGGTCTCAA

421 TCGCGGCTC

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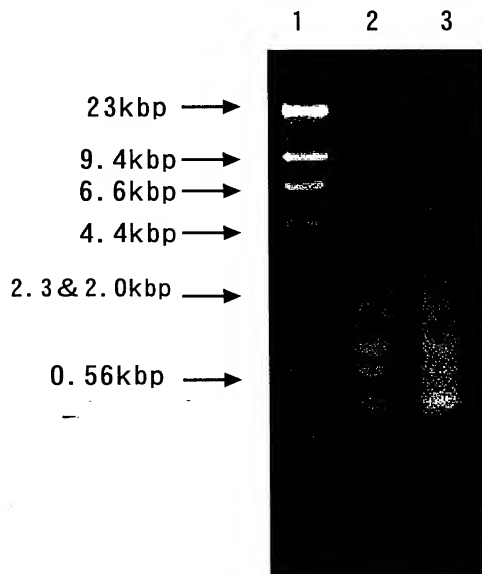
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Fig. 12



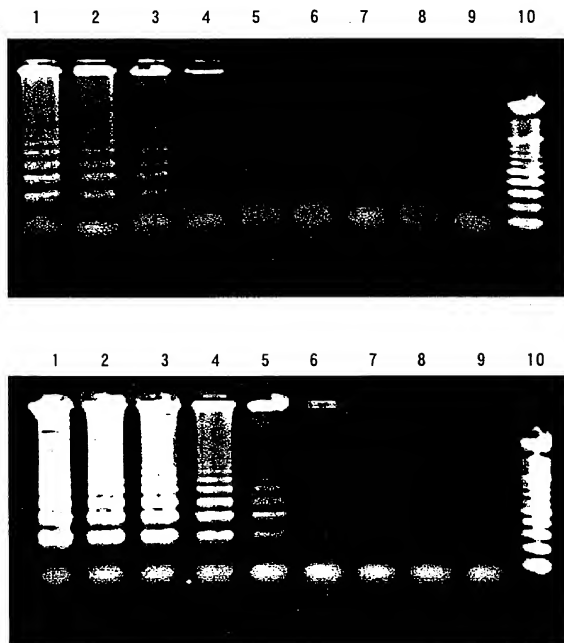
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Fig. 13



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Fig. 14



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Fig. 15

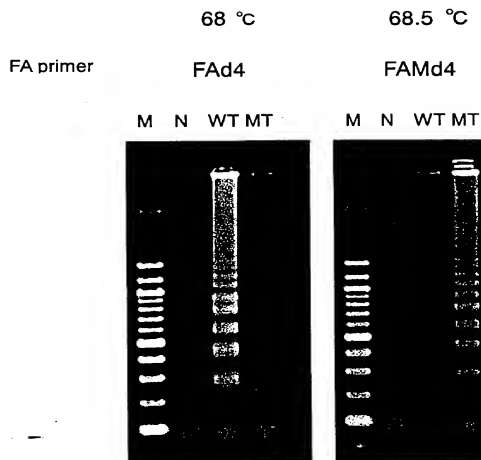
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6061 CGACAGGTTT CCCGACTGGA AAGCGGGCAG TGAGCGCAAC GCAATTAATG TGAGTTAGCT
6121 CACTCATTAG GCACCCAGG CTTTACACTT TATGCTTCCG GCTCGTATGT TGTGTGGAAT
6181 TGTGAGCGGA TAACAATTC ACACAGGAAA CAGCTATGAC CATGATTACG AATTCGAGCT
6241 CGGTACCCGG GGATCCTCTA GAGTCGACCT GCAGGCATGC AAGCTTGCCA CTGGCCGTCG
6301 TTTTACAACG TCGTGACTGG GAAAACCCTG GCGTTACCCA ACTTAATCGC CTTGCAGCAC
6361 ATCCCCCTTT CGCCAGCTGG CGTAATAGCG AAGAGGCCCG CACCGATCGC CCTTCCCAAC
6421 AGTTGCCGAG CCTGAATGGC GAATGGCGCT TTGCCTGGTT TCCGGCACCA GAAGCGGTGC
6481 CGGAAAGCTG GCTGGAGTGC GATCTTCCTG AGGCCGATAC GGTGTCGTC CCCTCAAAC
6541 GGCAGATGCA CGGTTACGAT GCGCCCACCT ACACCAACGT AACCTATCCC ATTACGGTCA

M13F3 → M13F2 d4
M13F1c d4
M13R1c d4
M13R2 d4 ← M13R3

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Fig. 16



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Fig. 17

1 ATTCCGCCGG AGAGCTGTGT CACCATGTGG GTCCCGGTG TCTTCCTCAC CCTGTCCGTG

61 ACGTGGATTG GTGCTGCACC CCTCATCTG TCTCGGATTG TGGGAGGCTG GGAGTGCAG

121 AAGCATTCCC AACCTGGCA GGTGCTTGTG GCCTCTCGTG GCAGGGCAGT CTGCGGCGGT

181 GTTCTGGTGC ACCCCAGTG GGTCTCACA GCTGCCCACT GCATCAGGAA CAAAAGCGTG

241 ATCTTGCTGG GTCGGCACAG CCTGTTTCAT CCTGAAGACA CAGGCCAGGT ATTCAGGTG

301 AGCCACAGCT TCCCACACCC GCTCTACGAT ATGAGCCTCC TGAAGAATCG ATTCCTCAGG

361 CCAGGTGATG ACTCCAGCCA CGACCTCATG CTGCTCCGCC TGTGAGAGCC TGCCGAGCTC

421 ACGGATGCTG TGAAGGTCAT GGACCTGCCC ACCCAGGAGC CAGCACTGGG GACCACCTGC

481 TACGCTCAG GCTGGGGCAG CATTGAACCA GAGGAGT

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Fig. 18

